

Amendments to the Claims

This Listing of Claims replaces all previous versions of the claims.

1. (Presently Amended) A method of treating a ~~target-site~~ tumor in or on a mammal, comprising: administering at least one source of peroxide and at least one source of hypochlorite anion to the ~~target-site~~ tumor to be treated, wherein the at least one source of peroxide and at least one source of hypochlorite are from separate sources, and allowing the peroxide and hypochlorite to react to produce singlet oxygen at the ~~target-site~~ tumor or during administration.

2. (Previously Presented) The method according to claim 1, wherein the at least one source of peroxide comprises at least one of hydrogen peroxide, alkyl hydroperoxides, or metal peroxides.

3. (Previously Presented) The method according to claim 1, wherein the at least one source of hypochlorite anion comprises at least one of metal hypochlorites or hypochlorous acid.

4. (Original) The method according to claim 3, wherein the metal hypochlorites comprise at least one hypochlorite chosen from calcium hypochlorite, sodium hypochlorite, lithium hypochlorite, and potassium hypochlorite.

6. (Previously Presented) The method according to claim 1, wherein the at least one source of peroxide and at least one source of hypochlorite anion are administered sequentially.

7. (Previously Presented) The method according to claim 6, wherein the at least one source of peroxide and at least one source of hypochlorite anion are administered through at least one syringe and at least one needle.

8. (Previously Presented) The method according to claim 1, wherein the at least one source of peroxide and the at least one source of hypochlorite anion are administered simultaneously.

9. (Previously Presented) The method according to claim 8, wherein the at least one source of peroxide and at least one source of hypochlorite are delivered through at least one dual lumen catheter.

10. (Canceled)

12. (Presently Amended) The method according to claim 1, wherein the administering of at least one of the source of peroxide and the source of hypochlorite anion is performed upstream of a blood flow to the ~~target-site~~ tumor and the blood flow carries at least one of the at least one source of peroxide and the at least one source of hypochlorite anion to the ~~target-site~~ tumor.

14. (Presently Amended) A system for treating a ~~target-site~~ tumor in a mammal, comprising:

- a) at least one source of peroxide;
- b) at least one source of hypochlorite anion, which is separate from the source of peroxide; and
- c) at least one catheter having at least one lumen.

15. (Original) The system according to claim 14, further comprising at least one syringe and at least one conduit.

16. (Canceled)

29. (Original) A method for treating tumor cells or cancer cells as a result of seeding an operative site comprising: administering as an irrigation or irrigating solution at least one source of peroxide and at least one source of hypochlorite anion.